

## INFORMATION REPORT

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COUNTRY USSR

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SUBJECT Artificial Pollination

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1. Studies and experimentation over a period of several years by the Soviet agronomist, AS Musilko, have shown that artificial pollination increases crop yields by 15 to 440 pounds per square acre of corn, 175 to 264 pounds per acre of sunflowers, 1 to 310 pounds per acre of rye, 175 to 346 pounds per acre of buckwheat, 130 to 330 pounds per acre of millet, and 87 to 130 pounds per acre of hemp.
2. Musilko supervised artificial pollination of about 10 million acres during 1947, making a significant contribution to the year's record harvest. In the Ukraine nearly six million acres, including two million in rye, 1 1/2 million in corn, one million in sunflowers, 870 thousand in millet, and 75 thousand in hemp, were subjected to artificial pollination during the 1947 flowering season.

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